

New Coffee maker

Piotr Zaborowski S18665

Project Description

Problem Statement:

- Coffee maker requires you to be present
- You cannot pay using modern payment technologies
- Queues arise when multiple people order coffee at the same time
- It is difficult to operate

Conclusion:

There is a strong need for a systemic solution to this problem. Furthermore there is a time wasting problem - there should be a method to start making coffee remotely, while the user is going to the machine, so no time is wasted.

Objective/Approach

Objective

Create an app for the existing coffeemaker in order to automatise/improve coffee serving process.

Approach:

1. Perform a research regarding existing solutions for remote coffee making and automation off household appliances.
2. Define requirements and use cases.
3. Choose payment methods.
4. Develop, test and deploy application.

Resources/Schedule

Jan 23	Research and study of existing solutions
Mar 23	Diagram preparation, defining use cases, requirements
Apr 23	Choosing payment methods
May 23	App development
Jul 23	App testing
Sep 23	App deployment

Requirements

Benefits:

- Coffee making process can be started remotely
- Modern payment solutions are available to use
- User-friendly interface is used

Constraints

- System should retain more than 99,9% of run-time